

In the Written Description:

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In the Abstract:

Please amend the abstract as follows:

~~It is an object of the present invention to measure a reception level with high accuracy if a Doppler frequency is increased and the variation in phase becomes large. Approximate line estimating means 2 linearly approximates signal amplitudes of a demodulated data stream by time interval set in accordance with an estimated Doppler frequency. Phase rotation estimating means 3 estimates the amount of phase rotation based on the approximate line. Doppler frequency estimating means 4 estimates a Doppler frequency based on the amount of phase rotation. Data delaying means 5 delays the demodulated data stream by time necessary for the approximate line estimating process. Reception signal power estimating means 6 estimates reception signal power based on the approximate line. Noise power estimating means 7 determines the difference in signal amplitude between the demodulated data stream and the approximate line as a noise component, and estimates noise power. Averaging means 8 outputs a measured reception level per time slot based on the estimated power level of the reception signal power estimating means 6 and the noise power estimating means 7.~~

A reception level measuring system in which a base station in a code division multiple access (CDMA) mobile communication system measures a reception level of a signal from a mobile station. The reception level measuring system has an approximate-line estimating device, a phase-rotation estimating device; a Doppler-frequency estimating device and a reception signal power estimating device. The approximate-line estimating device provides an approximate line by linearly approximating signal amplitudes of a demodulated data stream in I- and Q-channels from a reception signal, in a time interval which is set in accordance with an estimated Doppler frequency. The phase-rotation estimating device estimates an amount of phase rotation based on a gradient of the approximated line. The Doppler-frequency estimating device estimates the estimated Doppler frequency based on the

amount of phase rotation; and the reception signal power estimating device estimates a reception signal power based on said approximate line.